AS 3.2   Alert Services Functional Requirements

The sub-paragraphs in this section establish the functional requirements for the Alert Services functional area. It is intended that the requirements in paragraph AS 3.2.1 represent the basic capabilities of an Alerts "Server" and those in paragraph AS 3.2.2 represent the basic capabilities of an "Alerts Display Tool". To avoid constraining the software designers unduly, there has been no attempt to allocate Alert Services requirements to implementation objects.

AS 3.2.1 Alert Services Management Requirements

3.2.1.1   Alert Services shall provide the capability to initiate alerts according to criteria selected by the application program issuing the alert.

Traceability: SS 3.2.14.1
Priority ???

3.2.1.2   Alert Services shall provide the capability to initiate the display descriptive text and/or operator dialog forms with a visual alert.

Traceability: SS 3.2.14.2
Priority ???

3.2.1.3   Alert Services shall provide the capability to deliver selected alerts to the processes that have registered to receive them.

Traceability: SS 3.2.14.3
Priority ???

3.2.1.4   Alert Services shall provide the capability to deliver the operator inputs in response to displayed alerts to the processes that initiated them.

Traceability: SS 3.2.14.4
Priority ???

3.2.1.5   Upon receipt of requested data originating from an application, Alert Services shall provide the capability to deliver the data to the alert initiator.

Traceability: SS 3.2.14.5
Priority ???

3.2.1.6   Alert Services shall provide the capability to queue pending alerts, arranged by alert precedence, until they are recalled for display and handling.

Traceability: SS 3.2.14.6
Priority ???

3.2.1.7   Alert Services shall provide the capability to queue pending alerts as long as the registrations of the receiving applications remain valid.

Traceability: SS 3.2.14.7
Priority ???

3.2.1.8   Alert Services shall provide the capability to suspend alert processing.

Traceability: SS 3.2.14.8
Priority ???

3.2.1.9   Alert Services shall provide the capability to resume alert processing.

Traceability: SS 3.2.14.9
Priority ???

3.2.1.10 Alert Services shall provide the capability to deliver for display alerts from the alert queues IAW alert priorities and the times that the alerts were issued.

Traceability: SS 3.2.14.10
Priority ???

3.2.1.11 Alert Services shall provide the capability to deliver for display individual alerts on a workstation IAW the classification of the alert and the classifications of the logged on user and workstation.

Traceability: SS 3.2.14.11
Priority ???

3.2.1.12 Alert Services shall provide the capability to delete an existing alert and/or its associated text from a display.

Traceability: SS 3.2.14.12
Priority ???

3.2.1.13 Alert Services shall provide the capability to print alerts from the alert queues IAW alert priorities and the times that the alerts were issued.

Traceability: SS 3.2.14.13
Priority ???

3.2.1.14 Alert Services shall provide the capability to print individual alerts on workstation IAW the classification of the alert and the classifications of the logged on user and workstation.

Traceability: SS 3.2.14.14
Priority ???

3.2.1.15 Alert Services shall provide the capability to disable all alerts, except for those alerts related to incoming Flash messages, system shutdowns, and loss of communications connectivity.

Traceability: SS 3.2.14.15
Priority ???

3.2.1.16 Alert Services shall provide the capability to view Alert activity via a human-readable log report.

Traceability:
Priority ???

3.2.1.17 Alert Services shall provide the capability to fail-over all Alert activities through the use of multiple servers.

Traceability:
Priority ???

3.2.1.18 Alert Services shall provide the capability to create a standard Alerts database containing predefined Alerts.

Traceability:
Priority ???

3.2.1.19 Alert Services shall provide the capability to maintain a standard Alerts database.

Traceability:
Priority ???

3.2.1.20 Alert Services shall provide the capability to access a standard Alerts database.

Traceability:
Priority ???

3.2.1.21 Alert Services shall provide the capability to delete a standard Alerts database.

Traceability:
Priority ???

3.2.1.22 Alert Services shall provide the capability to indicate when to highlight alert priority through visual cues:
- Blinking/Stationary

Traceability: SS 3.2.14.16
Priority ???

- Intensity

Traceability: SS 3.2.14.16
Priority ???

- Color.

Traceability: SS 3.2.14.16
Priority ???

3.2.1.23 Alert Services shall provide the capability to indicate when to disable an application from making an entry in any display window but an alert window until the alert window is closed.

Traceability: SS 3.2.14.18
Priority ???

3.2.1.24 Alert Services shall provide the capability to notify an application when specified alerts are initiated.

Traceability: SS 3.2.14.19
Priority ???

AS 3.2.2 Alerts Display Service Requirements

3.2.2.1 Alert Services shall provide the capability for an operator to enable Alerts processing through window entries.

Traceability:
Priority ???

3.2.2.2 Alert Services shall provide the capability for an operator to disable Alerts processing through window entries.

Traceability:
Priority ???

3.2.2.3 Alert Services shall provide the capability for an operator to display the total number of pending Alerts.

Traceability:
Priority ???

3.2.2.4 Alert Services shall provide the capability for an operator to display the total number of pending Interactive Alerts.

Traceability:
Priority ???

3.2.2.5 Alert Services shall provide the capability for an operator to display the total number of pending Critical Priority Alerts.

Traceability:
Priority ???

3.2.2.6 Alert Services shall provide the capability for an operator to display all pending Alerts.

Traceability:
Priority ???

3.2.2.7 Alert Services shall provide the capability for an operator to display selected pending Alerts.

Traceability:
Priority ???

3.2.2.8 Alert Services shall provide the capability for an operator to display the full text of selected pending Alerts.

Traceability:
Priority ???

3.2.2.9 Alert Services shall display the Alert Name, Classification, Originator, Priority, and Time for each selected pending Alert (in both the summary and full-text displays).

Traceability:
Priority ???

3.2.2.10 Alert Services shall provide the capability for an operator to display selected pending Alerts filtered by originator, priority or classification.

Traceability:
Priority ???

3.2.2.11 Alert Services shall provide the capability for an operator to display selected pending Alerts sorted according to key fields.

Traceability:
Priority ???

3.2.2.12 Alert Services shall provide the capability for an operator to sort displayed Alerts according to alert priority.

Traceability:
Priority ???

3.2.2.13 Alert Services shall provide the capability for an operator to sort displayed Alerts according to alert originator.

Traceability:
Priority ???

3.2.2.14 Alert Services shall provide the capability for an operator to sort displayed Alerts in time-forward or time-reverse order.

Traceability:
Priority ???

3.2.2.15 Alert Services shall provide the capability for an operator to print all pending Alerts.

Traceability:
Priority ???

3.2.2.16 Alert Services shall provide the capability for an operator to print selected pending Alerts.

Traceability:
Priority ???

3.2.2.17 Alert Services shall provide the capability for an operator to print selected pending Alerts filtered by originator, priority or classification.

Traceability:
Priority ???

3.2.2.18 Alert Services shall provide the capability for an operator to print selected pending Alerts sorted according to key fields.

Traceability:
Priority ???

3.2.2.19 Alert Services shall provide the capability for an operator to sort printed Alerts according to alert priority.

Traceability:
Priority ???

3.2.2.20 Alert Services shall provide the capability for an operator to sort printed Alerts according to alert originator.

Traceability:
Priority ???

3.2.2.21 Alert Services shall provide the capability for an operator to sort printed Alerts in time-forward or time-reverse order.

Traceability:
Priority ???

3.2.2.22 Alert Services shall provide the capability for an operator to delete selected pending Alerts.

Traceability:
Priority ???

3.2.2.23 Alert Services shall provide the capability for an operator to acknowledge selected pending Alerts (without deleting them from the queue).

Traceability:
Priority ???

3.2.2.24 Alert Services shall provide the capability for an operator to purge all Alerts in the pending Alerts queue.

Traceability:
Priority ???

3.2.2.25 Alert Services shall provide the capability for an operator to purge those Alerts in the queue that were issued prior to an operator-specified time.

Traceability:
Priority ???

AS 3.2.3 Requirements Submitted by the Army

3.2.3.1 Alert Services display and print alert information. Text displays, audio alerts, and visual alerts can be issued in any combination for a given alert condition. Alert processing may be suspended, and resumed, under the control of an application program. Alert priority may be highlighted.

3.2.3.1.1 Alerts Services shall provide the capability to report BFA specified errors to applications for handling.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2 Error Handling.

3.2.3.2.1 Alerts Services shall provide the capability to monitor the detection of software errors.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2.2 Alerts Services shall provide the capability to activate the error handler upon detection of any software error reported.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2.3 The System Error Handler shall select from pre-specified criteria what caused the error.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2.4 Alerts Services shall provide the capability to notify the Officer In Charge / Non-Commissioned Officer In Charge (OIC/NCOIC) upon detection of any software error along with a detailed description of the error in human readable form.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2.5 Alerts Services shall provide the capability to return status parameters within a call for reporting standard error conditions.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2.6 Alerts Services shall provide the Office In Charge / Non-Commissioned Officer In Charge (OIC/NCIOC) the capability to control:

3.2.3.2.6.1 Acknowledgment of alarms alerts from the analyst appliation software, such as CIP/IMP.

Traceability: ARMY, 20 July 1996
Priority ???

3.2.3.2.6.2 Notification of unacknowledged alarms/alerts.

Traceability: ARMY, 20 July 1996
Priority ???